Fig. 1

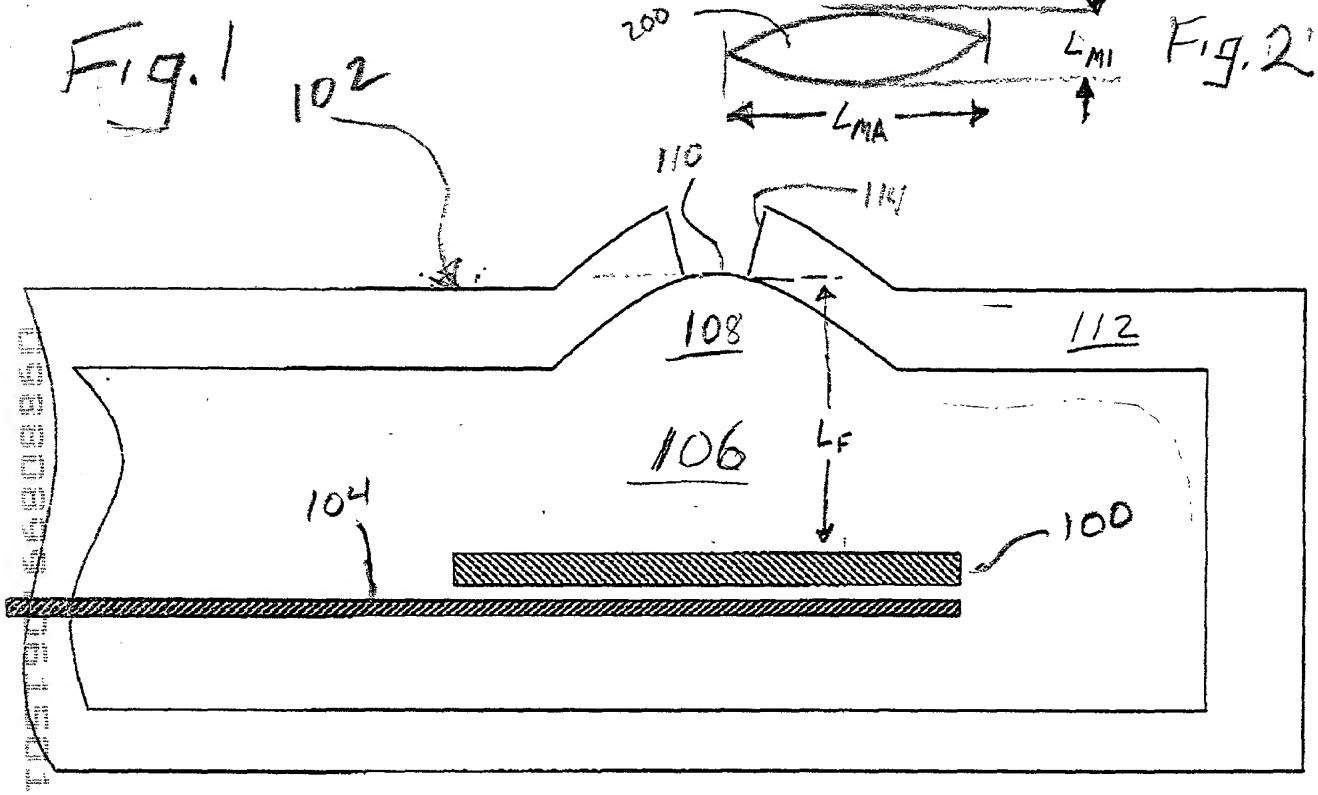


Fig. 2

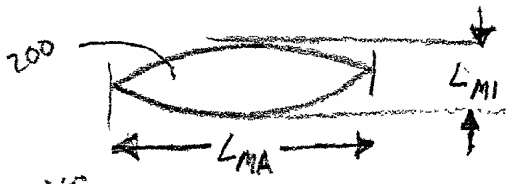


Fig. 3

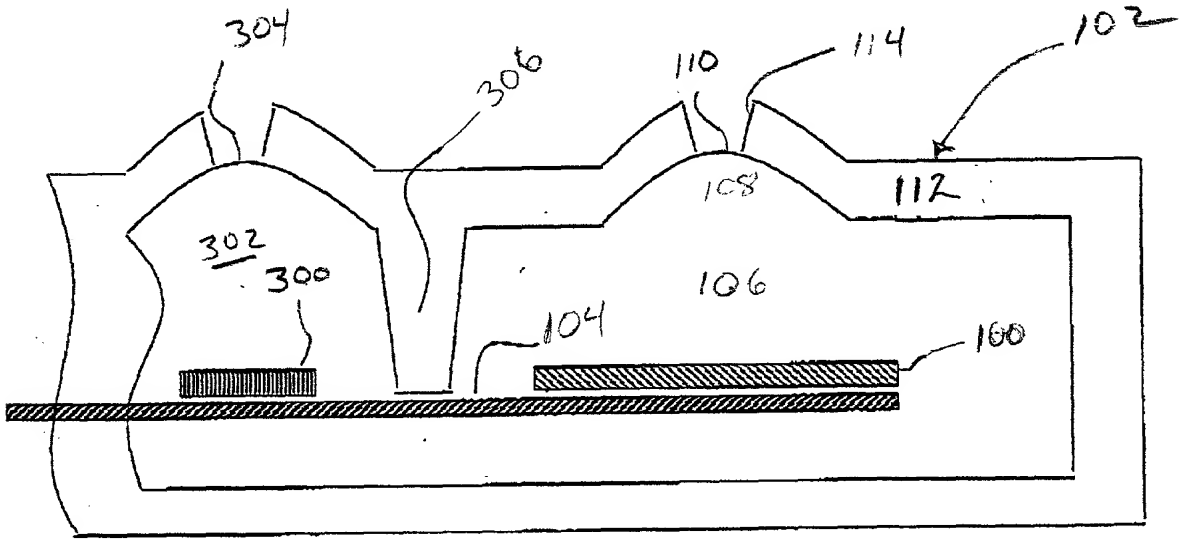


Fig. 4

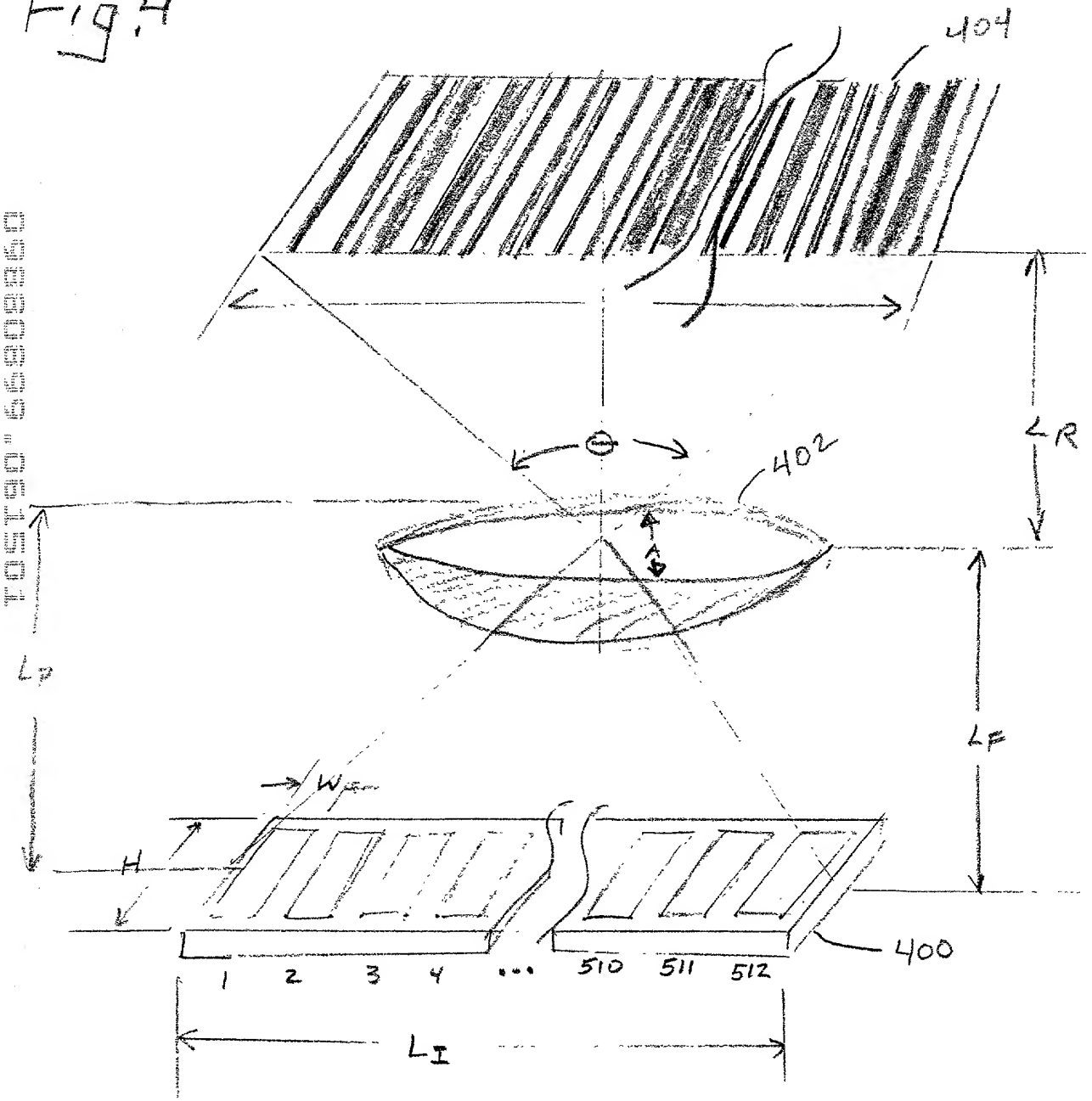
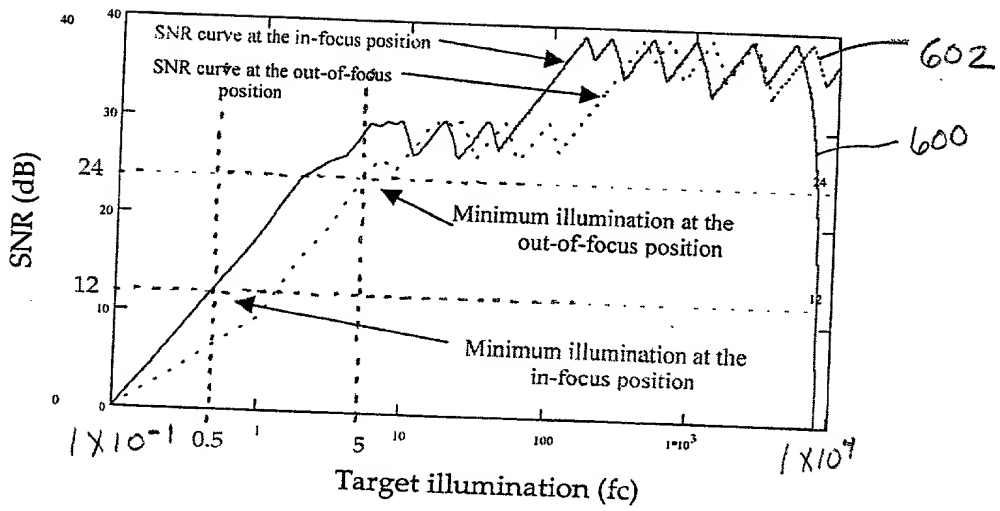


Fig. 5


SNR curve at the in-focus position
SNR curve at the out-of-focus position
602
600
Minimum illumination at the out-of-focus position
Minimum illumination at the in-focus position
SNR (dB)
40
30
24
20
12
10
0
1X10-1
0.5
1
5
10
100
1*10^3
1X10^4
Target illumination (fc)

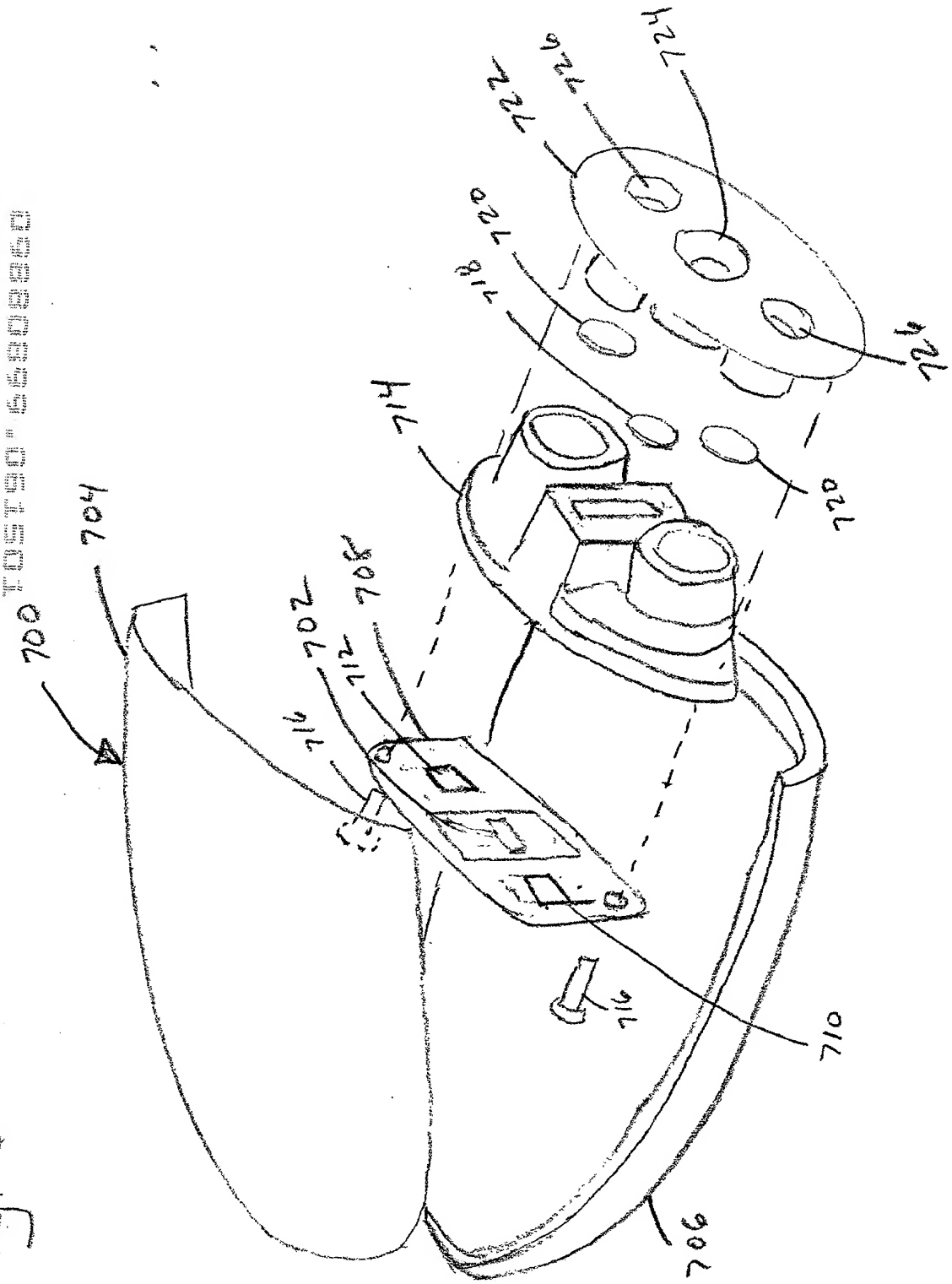


Fig. 6

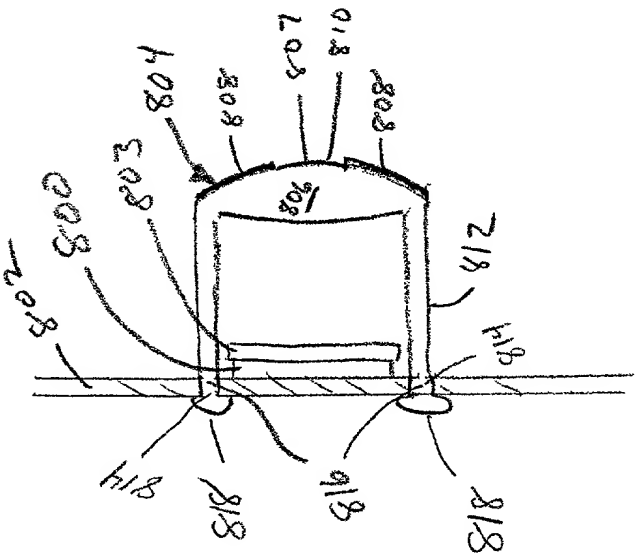


FIG. 7

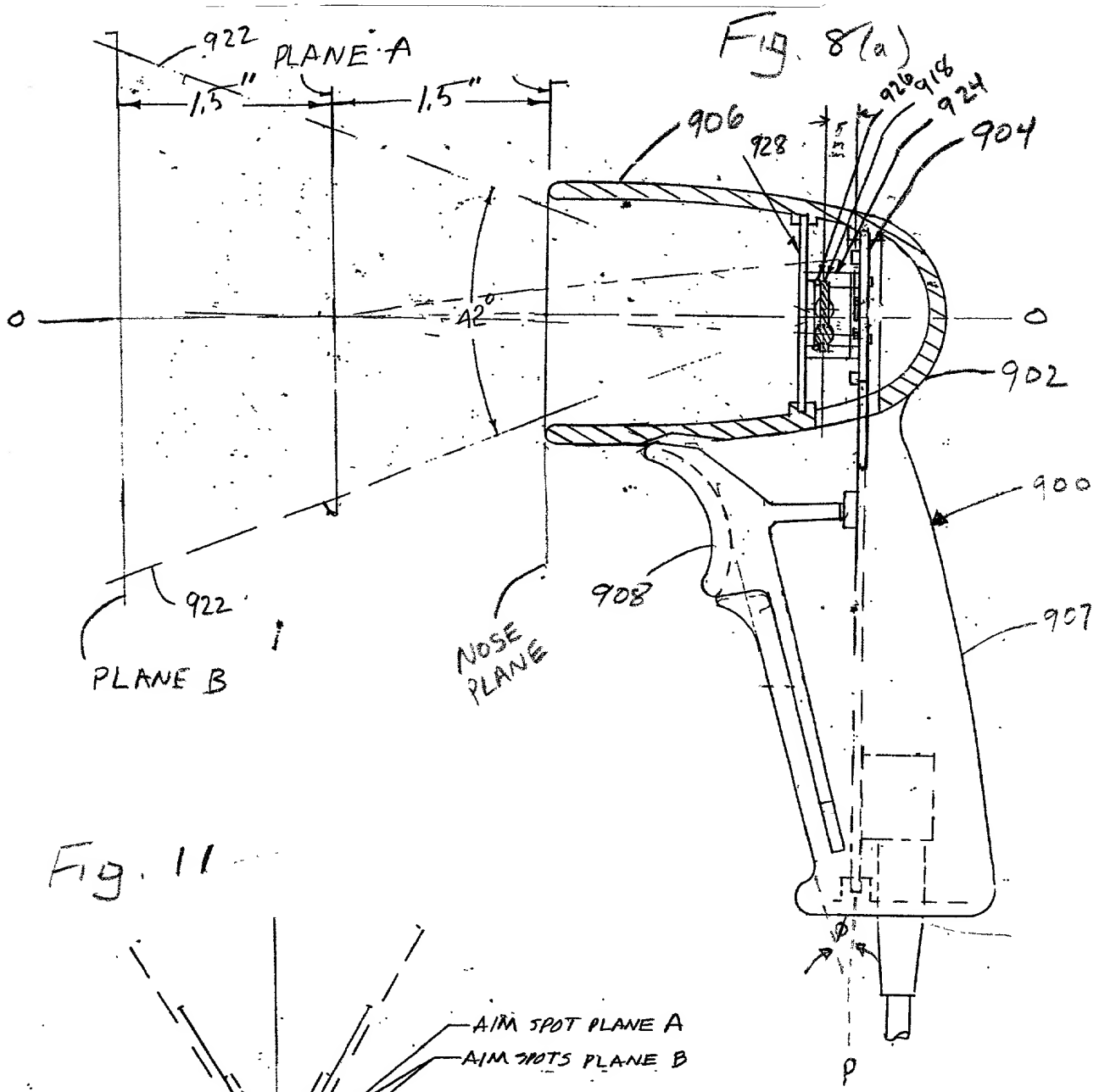

922
PLANE A
1.5"
1.5"
906
928
926
916
924
904
42°
902
900
908
907
922
PLANE B
NOSE PLANE
P

Fig. 8(a)

Fig. 11

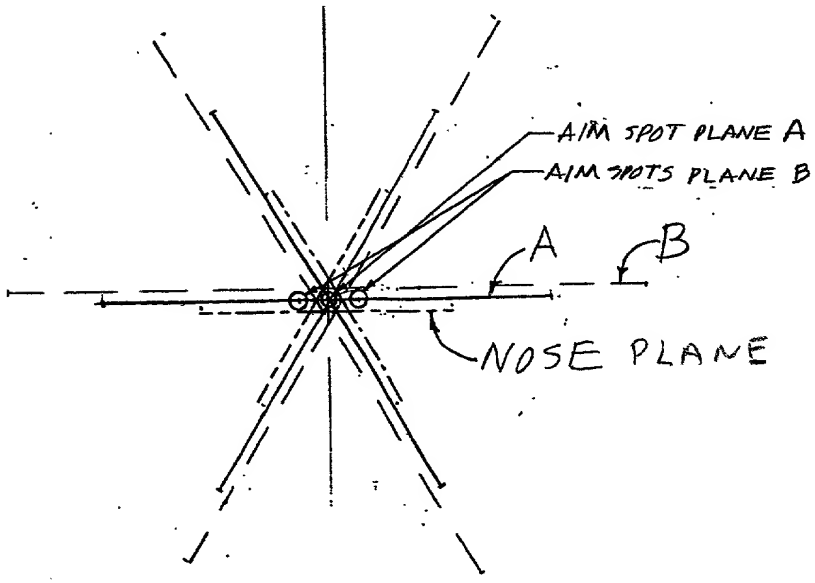

AIM SPOT PLANE A
AIM SPOTS PLANE B
A
B
NOSE PLANE

Fig. 8(b)

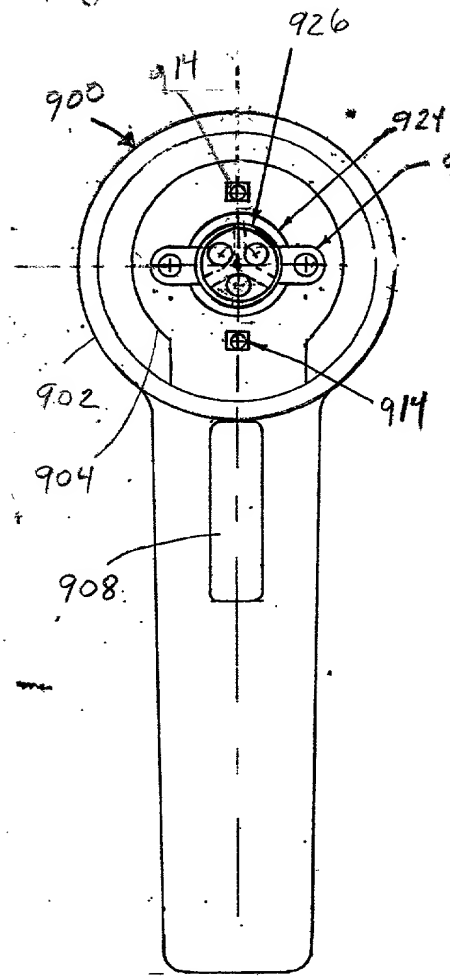


Fig. 8(c)

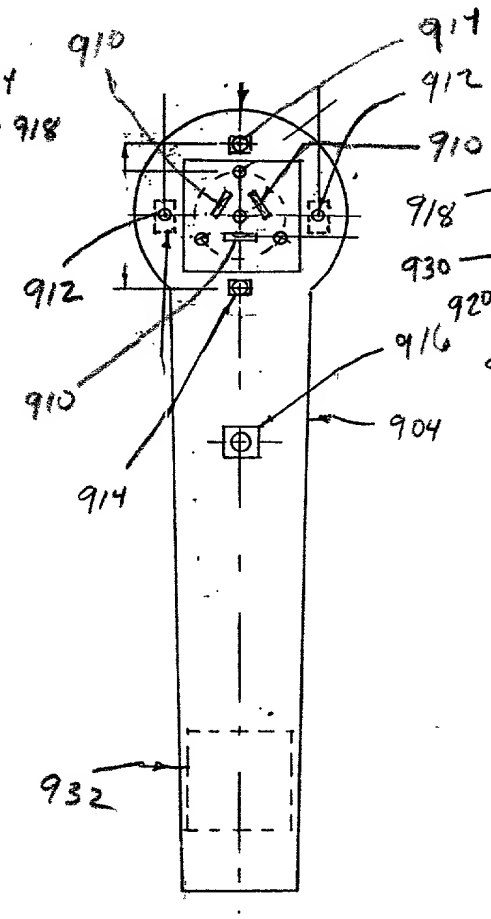


Fig 8(d)

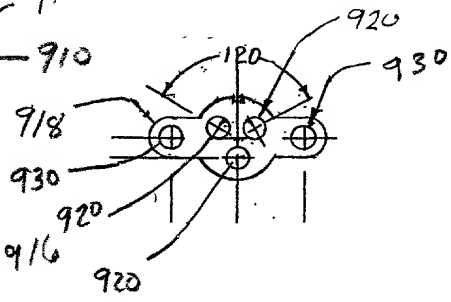


Fig. 9

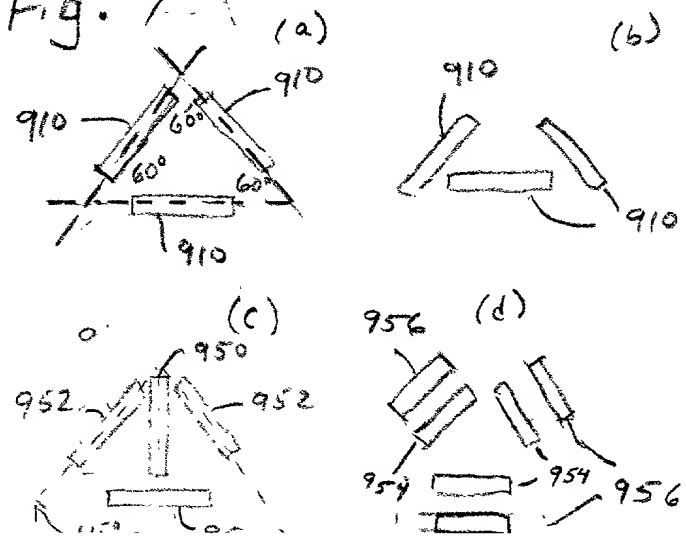
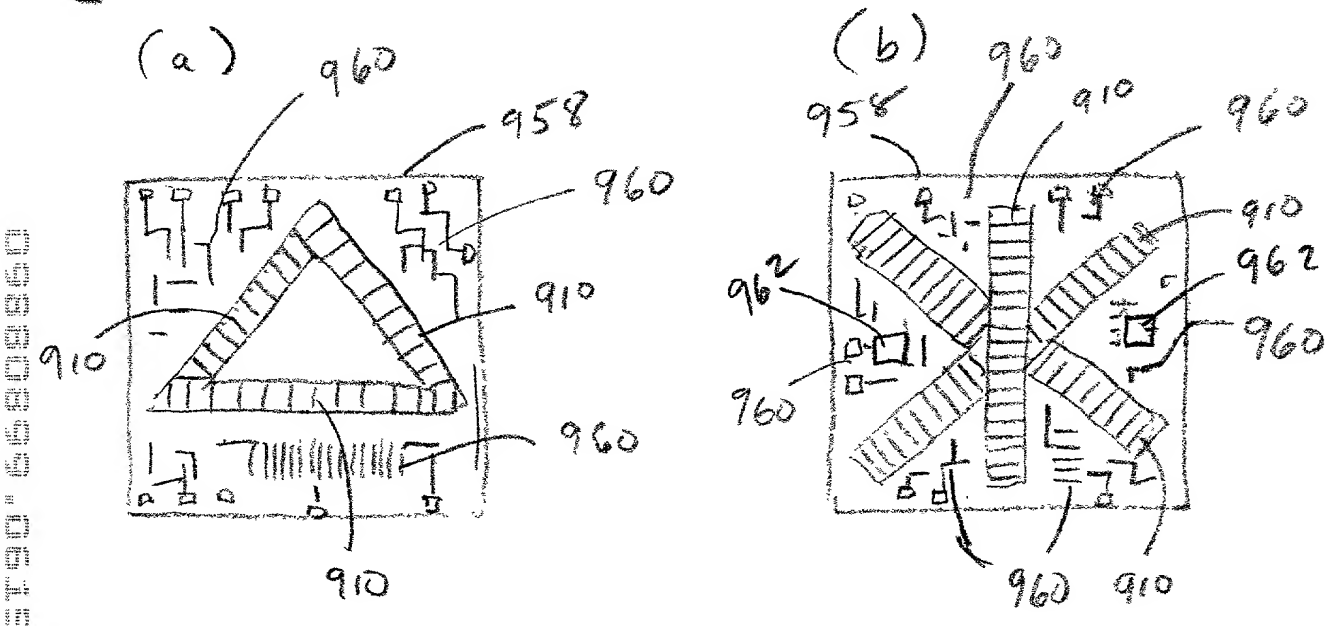


Fig. 10


(a)
960
958
960
910
910
960
910
(b)
960
958
910
960
910
962
960
962
960
960
910